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TITLE: HINGE DEVICE

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INVENTOR-INFORMATION:

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ABSTRACT:

PROBLEM TO BE SOLVED: To improve assembling accuracy so as to allow stable use for a long time by arranging a pair of cams rotationally relatively and mutually approachably with their axial lines matched with each other and arranging one cam freely movably along its axis in a shaft part integrally arranged in the other cam.

SOLUTION: In a **hinge** device for a **cellular phone** and the like, a **movable side cam 1** fixed in an openable member side is constructed of a substantially disc-shaped head part 11, which has a flat face parallel to the outer circumferential face, and a cylindrical shaft part 12 integrally formed in the center part, and in the connection part between the head part 11 and the shaft part 12, a cam part 13 with a crest-shape in a front side vision is formed. In the shaft part 12 of the **movable side cam 1**, a substantially projection-shaped hollow type **fixed side cam 2** is mounted freely movably and rotationally along its axial direction, and the shaft part 12 is inserted into an insertion hole 33 formed in a bottom part 32 of a bottomed cylindrical guide holder 3 mounted on the outside of the **fixed side cam 2**. A **spring 4** mounted between the **fixed side cam 2** and the bottom part 32 energizes the **fixed side cam 2** toward the **movable side cam 1**.

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